

09/800,163

MS150965.01/MSFTP115US

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. Claims 1-39, 41, 43-46, 48-51, 53-55, 58, and 59 have been amended herein.

**Listing of Claims:**

1. (Currently amended): A computer-readable medium having computer executable instructions for utilizing a workflow scheduler graphical user interface program, comprising:  
a first screen area ~~adapted to allow a user~~ employed to create a graphical representation of a business workflow process; and  
a second screen area ~~adapted to allow a user~~ employed to bind the graphical representation of a business workflow process to at least one technological component.
2. (Currently amended): The ~~program~~ computer-readable medium of claim 1, further including a separator bar separating the first screen area from the second screen area.
3. (Currently amended): The ~~program~~ computer-readable medium of claim 1, further comprising a workflow component menu including a plurality of workflow components ~~adapted to allow a user~~ employed to create a business workflow process in the first screen area.
4. (Currently amended): The ~~program~~ computer-readable medium of claim 3, the plurality of workflow components comprising at least one action component for defining actions in a business workflow process and at least one action grouping component for grouping the at least one action component.
5. (Currently amended): The ~~program~~ computer-readable medium of claim 4, the at least one action grouping component being a role component.
6. (Currently amended): The ~~program~~ computer-readable medium of claim 4, the at least one action grouping component being a transaction component.

09/800,163

MS150965.01/MSFTP115US

7. (Currently amended): The ~~program~~ computer-readable medium of claim 6, further including an editable transaction property screen adapted to ~~provide a user with the ability~~ employed to relate catch code and compensation code to the transaction component.
8. (Currently amended): The ~~program~~ computer-readable medium of claim 3, the plurality of workflow components comprising at least one decision component for providing decision control flow to the business workflow process.
9. (Currently amended): The ~~program~~ computer-readable medium of claim 8, further including an editable decision component property screen adapted to ~~provide a user with the ability~~ employed to add and delete rules to the decision component.
10. (Currently amended): The ~~program~~ computer-readable medium of claim 9, further including an editable rule property screen adapted to ~~provide a user with the ability~~ employed to define the rules added to the decision component.
11. (Currently amended): The ~~program~~ computer-readable medium of claim 3, the plurality of workflow components comprising at least one of an action component, an action grouping component, a branching component, a joining component and a decision component.
12. (Currently amended): The ~~program~~ computer-readable medium of claim 1, further comprising a binding component menu including a plurality of technological components adapted to ~~allow a user~~ employed to bind the graphical representation of the business workflow process to at least one of the plurality of technological components in the second screen area.
13. (Currently amended): The ~~program~~ computer-readable medium of claim 12, further comprising a message editor for each of the plurality of technological components.

09/800,163

MS150965.01/MSFTP115US

14. (Currently amended): The ~~program~~ computer-readable medium of claim 12, the plurality of technological components comprising at least one of a COM component, a script component, a message queue component and a schedule component.
15. (Currently amended): The ~~program~~ computer-readable medium of claim 1, ~~the program being adapted to provide~~ further comprising at least one implementation port ~~coupling that couples~~ at least one workflow component to ~~the~~ at least one technological component.
16. (Currently amended): The ~~program~~ computer-readable medium of claim 15, further including a data flow screen ~~illustrating that illustrates~~ data flow between the at least one implementation port and the at least one technological component.
17. (Currently amended): The ~~program~~ computer-readable medium of claim 15, the at least one implementation port being provided by dragging the at least one technological component into the second screen area using a user selection device.
18. (Currently amended): The ~~program~~ computer-readable medium of claim 15, further including an editable port references message properties screen ~~adapted to provide a user with the ability~~ employed to reorder implementation ports.
19. (Currently amended): The ~~program~~ computer-readable medium of claim 18, the editable port references message properties screen being further ~~adapted to allow a user~~ employed to launch an editable port properties screen, the editable port properties screen being ~~adapted to allow a user~~ employed to at least one of add, delete and edit port messages ~~[[and]]~~ or arguments.
20. (Currently amended): The ~~program~~ computer-readable medium of claim 1, further including a binding wizard for defining the at least one technological component, the binding wizard being invoked by dragging the at least one technological component into the second screen area with a user selection device.

09/800,163

MS150965.01/MSFTP115US

21. (Currently amended): The ~~program~~ computer-readable medium of claim 1, the ~~program~~ being adapted computer-readable medium employed to convert the graphical representation of the business workflow process into executable code.

22. (Currently amended): A computer-readable medium having computer executable instructions for employing a business process scheduling program, comprising:

a plurality of schedule tool components ~~adapted to allow a user~~ employed to create a representation of a business process schedule according to a set of predefined rules; and

a conversion component ~~adapted~~ employed to convert the schedule ~~created by the user~~ to executable code.

23. (Currently amended): The ~~program~~ computer-readable medium of claim 22, further comprising at least one binding tool component ~~adapted to allow a user~~ employed to bind the representation of the business process schedule to at least one technological component.

24. (Currently amended): The ~~program~~ computer-readable medium of claim 22, further including an input screen for inputting interfaces and methods of the at least one technological component.

25. (Currently amended): The ~~program~~ computer-readable medium of claim 22, further including a data flow connection sheet screen ~~adapted to allow a user~~ employed to view data flow between the business process schedule and the at least one technological component.

26. (Currently amended): The ~~program~~ computer-readable medium of claim 22, the plurality of schedule tool components comprising at least one action component for defining actions in a business process schedule and at least one action grouping component for grouping the at least one action component.

27. (Currently amended): The ~~program~~ computer-readable medium of claim 26, the ~~actions~~ action components grouped by the at least one action grouping component are selectable between an associated state and a non-associated state.

09/800,163

MS150965.01/MSFTP115US

28. (Currently amended): The ~~program~~ computer-readable medium of claim 27, a control flow flowing to an ~~action~~ action component grouped by an action grouping component having an associated state will automatically connect to a connection point on the action grouping component.

29. (Currently amended): The ~~program~~ computer-readable medium of claim 26, a control flow flowing to an action component grouped by an action grouping component having a non-associated state will allow a direct connection to a connection point on the action component.

30. (Currently amended): The ~~program~~ computer-readable medium of claim 26, an action grouping component having a non-associated state will not have a control handle for directing control flow ~~wherein~~ and an action component having an associated state will have a control handle for directing control flow.

31. (Currently amended): The ~~program~~ computer-readable medium of claim 26, ~~wherein~~ a connection between a first action grouping component having at least one action associated with the first action grouping component and a second action grouping component having at least one action associated with the second action grouping component will automatically generate a first grouping component port on the first action grouping component and a second grouping component port on the second action grouping component on the second action grouping component and a communicates message coupling the first grouping component port to the second grouping component port.

32. (Currently amended): The ~~program~~ computer-readable medium of claim 31, ~~wherein~~ deletion of one of the first action grouping component and the second action grouping component creates an implementation port of the deleted action grouping component on a separator bar.

09/800,163

MS150965.01/MSFTP115US

33. (Currently amended): The ~~program~~ computer-readable medium of claim 26, wherein a control flow flowing from an action component grouped by an action grouping component having an associated state to an implementation port will automatically create a grouping component port on an edge of the action grouping component.

34. (Currently amended): The ~~program~~ computer-readable medium of claim 26, the at least one action grouping component allowing only a single control flow to flow into the at least one action grouping component.

35. (Currently amended): The ~~program~~ computer-readable medium of claim 34, the at least one action grouping component being a transaction component and further including at least one of a catch code and a compensation code related to the transaction component.

36. (Currently amended): The ~~program~~ computer-readable medium of claim 35, the transaction component being limited to two nesting levels.

37. (Currently amended): The ~~program~~ computer-readable medium of claim 22, the plurality of schedule tool components comprising at least one decision component having at least one non-editable rule.

38. (Currently amended): The ~~program~~ computer-readable medium of claim 37, the at least one decision component allowing for the addition of other rules.

39. (Currently amended): A computer readable medium having computer-executable instructions for performing the steps comprising:

displaying a screen having a first region ~~adapted to allow a user~~ employed to create a representation of a business workflow process and a second region ~~adapted to allow a user~~ employed to bind the representation of a business workflow process to a representation of at least one technological component.

09/800,163

MS150965.01/MSFTP115US

40. (Original): The method of claim 39, further comprising the step of displaying a separator bar between the first screen area and the second screen area.

41. (Currently amended): The method of claim 39, further comprising the step of displaying a workflow component menu including a plurality of workflow components ~~adapted to allow a user~~ employed to create a business workflow process.

42. (Original): The method of claim 41, further including the step of retrieving and inserting an image into the first screen area of a selected one of the plurality of workflow components in response to a user selecting the component and dragging the component into the first screen area using a user selection device.

43. (Currently amended): The method of claim 39, further including the step of displaying an editable transaction property screen ~~adapted to provide a user with the ability~~ employed to relate catch code and compensation code to a transaction component in response to a user selecting a transaction component residing in the first screen area using a user selection device.

44. (Currently amended): The method of claim 39, further including the step of displaying an editable decision component property screen ~~adapted to provide a user with the ability~~ employed to add and delete rules to a decision component in response to a user selecting a decision component residing in the first screen area using a user selection device.

45. (Currently amended): The method of claim 44, further including the step of displaying an editable rule property screen ~~adapted to provide a user with the ability~~ employed to define the rules added to the decision component in response to a user selecting a button on the editable decision component property screen using a user selection device.

46. (Currently amended): The method of claim 39, further comprising the step of displaying a binding component menu including a plurality of technological components ~~adapted to allow a user~~ employed to bind the graphical representation of the business workflow process to at least one of the plurality of technological components.

09/800,163

MS150965.01/MSFTP115US

47. (Original): The method of claim 46, further including the step of displaying a message editor in response to a user selecting one of the plurality of technological components and dragging the component into the second screen area using a user selection device.

48. (Currently amended): The ~~program~~ method of claim 46, further including the step of displaying a binding wizard in response to a user selecting one of the plurality of technological components and dragging the component into the second screen area using a user selection device.

49. (Currently amended): The method of claim 46, further including the step of retrieving and displaying an implementation port image adapted employed to bind a technological component to a component in a business workflow process in response to a user selecting one of the plurality of technological components and dragging the component into the second screen area using a user selection device.

50. (Currently amended): The method of claim 46, further including the step of displaying an editable port references message properties screen ~~adapted to provide a user with the ability~~ employed to reorder implementation ports.

51. (Currently amended): The method of claim 50, further including the step of launching an editable port properties screen, the editable port properties screen ~~being adapted to allow a user~~ employed to at least one of add, delete and edit port messages [[and]] or arguments.

52. (Original): The method of claim 39, further including the step of converting the graphical representation of the business workflow process into executable code.



09/800,163

MS150965.01/MSFTP115US

53. (Currently amended): A system ~~for facilitating that facilitates~~ modeling of business processes ~~comprise of a plurality of business operations being that are~~ representable at a transaction level and an action level, the system ~~comprising a computer readable medium and a plurality of computer-executable components, the components comprising:~~
- a graphical user interface; and
  - a plurality of modeling components accessible through the graphical user interface and ~~adapted to allow a user~~ employed to create a graphical representation of a business process and a binding of the business process to at least one technological component.
54. (Currently amended): The system of claim 53, at least a portion of the plurality of modeling components residing on a workflow component menu ~~adapted to allow a user~~ employed to create the graphical representation of a business workflow process in a first screen area.
55. (Currently amended): The system of claim 53, at least a portion of the plurality of modeling components residing on a binding component menu ~~adapted to allow a user~~ employed to create a binding to the graphical representation of the business workflow process in a second screen area.
56. (Original): The system of claim 53, further including at least one implementation port coupling at least one component of the graphical representation of the business process to the at least one technological component
57. (Original): The system of claim 56, further including a data flow screen illustrating data flow between the at least one implementation port and the at least one technological component.
58. (Currently amended): The system of claim 53, the system ~~being adapted~~ employed to convert the graphical representation of the business workflow process into executable code.

09/800,163

MS150965.01/MSFTP115US

59. (Currently amended): A graphical user interface program stored on a computer readable medium comprising computer executable instructions, the graphical user interface program comprising:

means for allowing a user to create a graphical representation of a business process; and

means for allowing a user to create a binding of the graphical representation of the business process to at least one technological component.

60. (Original): The system of claim 59, further including means for coupling at least one component the graphical representation of the business process to the at least one technological component.

61. (Original): The system of claim 60, further including means for viewing data flow between the means for coupling and the at least one technological component.

62. (Original): The system of claim 59, further including means for converting the graphical representation of the business process into executable code.